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## CLAIMS

- 1. A computer implemented method of testing internationalized software, comprising the step of:
- a. providing an element for performing the step of binding internationalized software to be tested to a multibyte locale created for a single byte language.
- 2. A computer implemented method of implementing a multibyte locale in a single byte language, comprising the steps of:
- a. providing an element for performing the step of creating a mapping between multibyte binary words and characters of said single byte language; and
- b. providing an element for performing the step of providing for conversion of representations of characters of said single byte language into corresponding multibyte binary words specified by said mapping.
- 3. The method of implementing a multibyte locale of claim 2 further comprising the step of:
- c. providing an element for performing the step of providing a sort function which sorts multibyte binary words in a sort order customary for said single byte language, but which differs from a binary sort order;

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whereby failure to invoke said sort function of the multibyte locale will result in a different sort order from said sort order customary for said single byte language.

- 4. The method of implementing a multibyte locale of claim 2 further comprising the steps of:
- c. providing an element for performing the step of defining a date representation for a particular locale; and
- d. providing an element for performing the step of providing a date function which converts an internationalized date representation to said date representation for a particular locale

whereby failure to invoke said date function of the multibyte locale will result in a different date representation from said date representation customary for said locale.

- 5. The method of implementing a multibyte locale of claim2 further comprising the step of:
- b. providing an element for performing the step of providing for display of said multibyte binary words so as to create a visual distinction between characters

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represented in said multibyte binary words and characters represented in ASCII.

- 6. The method of claim 5 in which said visual distinction relates to one of font, color or spacing.
- 7. A method for implementing a multibyte locale in a single byte language comprising the steps of:
- a. providing an element for performing the step of converting representations of characters of said single byte language into corresponding multibyte binary words;
- b. providing an element for performing the step of providing a sort function which sorts multibyte binary words in a sort order customary for said single byte language, but which differs from a binary sort order; and
- c. providing an element for performing the step of providing a date function which converts an internationalized date representation to said date representation for a particular locale.
- 8. Apparatus for testing internationalized software, comprising:
  - a. a computer; and
- b. a computer program stored on said computer for use with said internationalized software, said program

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comprising a multibyte locale created for a single byte language.

- 9. A computer system for developing software comprising:
  - a. at least one computer;
- b. one or more message sources, each containing one or more program messages in a single byte language; and
- c. one or more language tables containing specific processing information and conventions for a particular locale, at least one of which is a multibyte locale created for a single byte language.
- 10. A computer system for developing and testing an internationalized computer program written in a single byte language, comprising:
  - a. a network:
  - b. one or more computers connected to said network;
- c. a source of messages to be used by said internationalized computer program when running on said one or more computers; and
- d. one or more locales, each containing specific processing information and conventions for a particular locale, at least one of which is a multibyte locale created for said single byte language, for binding to said internationalized computer program during program development and testing,

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whereby an internationalized computer program under development can be tested using said multibyte locale.

- 11. A product for implementing a multibyte locale comprising:
  - a computer readable memory medium; and
- a data structure stored on said memory medium, utilized for controlling said multibyte locale, said data structure comprising:
- a mapping of characters of a single byte language to corresponding multibyte binary words.
- 12. The computer program product of claim 11 in which the data structure further comprises:
- a mapping of elements of a date representation utilized with internationalized software to elements of a date representation of a particular locale.
- 13. The computer program product of claim 11 in which the data structure further comprises:
  - a representation of sort order utilized in a particular locale.
- 14. A computer program product for implementing a multibyte locale comprising:

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a computer readable memory medium; and one or more language tables containing specific processing information and conventions for a particular locale, at least one of which is a multibyte locale created for a single byte language.

- 15. A computer program product for implementing a multibyte locale in a single byte language comprising:
  - a computer readable memory medium; and
  - a computer program including

a routine for conversion of representations of characters of said single byte language into corresponding multibyte binary words;

a routine providing a sort function which sorts multibyte binary words in a sort order customary for said single byte language, but which differs from a binary sort order; and

a routine for providing a date function which converts an internationalized date representation to said date

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representation for a particular locale.

16. A network with improved capabilities for testing internationalized software, comprising;

a plurality of computers connected to the network; at least one of said computers configured to bind an internationalized program written in a single byte language to a multibyte locale created for said single byte language.

17. A method of testing internationalized software written in a single byte language using a network comprising the steps of:

providing an element for performing the step of downloading, over said network, a multibyte locale implemented in said single byte language; and

providing an element for performing the step of binding said multibyte locale to said internationalized software for testing.

18. A method of facilitating testing of internationalized software written in a single byte language at a remote location using a network comprising the steps of:

providing an element for performing the step of sending, over said network, a multibyte locale created for said single byte language to a computer at said remote location,

whereby said computer at said remote location can bind said multibyte locale created for said single byte language to said internationalized software for testing.